

NASA Electronic Health Record System

EHRs: Unplugged

NASA Occupational Health Conference
Charleston, SC

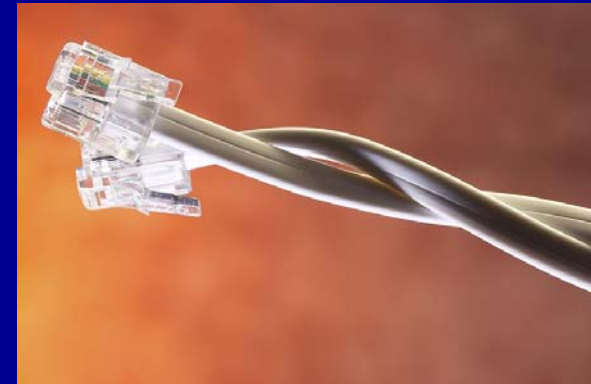
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NASA EHRS: Unplugged *Synopsis*

- Summary report of NASA EHRS Project
- Identify and explain key project stakeholders
- Understand the merit of roles & responsibilities
- Recognize tentative EHRS deployment targets
- Learn capabilities & risks associated with EHRS
- Championing EHRS at your OH Clinic

NASA EHRS Project Report

- “Feasibility Study” Initiated (April 2002)
- Visited All Site Clinics (2002-2003)
- Proceeding toward release of RFP (April 2004)
- Midcourse Redirection – IHS Collaboration
- Inter-agency Agreement signed (April 2005)
- Yours truly arrived (October 2005)

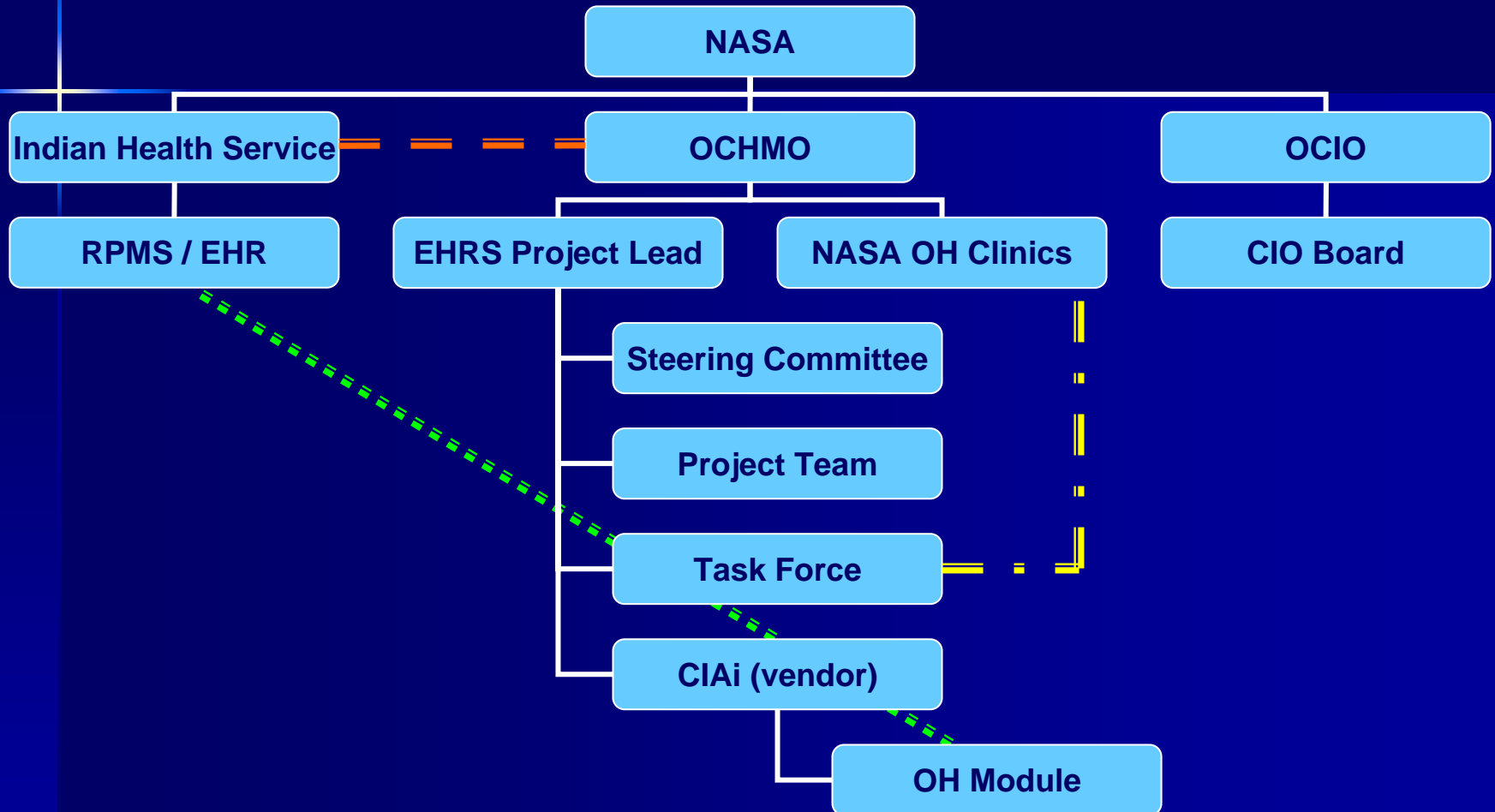
NASA EHRS Project Report, con't.

(Fiscal Year 2006)

- IHS Collaboration
 - monthly Steering Committee meeting
 - participation at OH Conference
 - KSC Clinic process assessment
- Stakeholder meetings
- Deployment Plan
 - Alpha
 - Beta
- Training Plan
 - EHRS Project Team
 - EHRS Super End Users and End Users
- Pre-Risk Assessment (PRA) and Security Plan
- Clinical Workflows / Forms / Roles
- Health Information Mgmt & Record Retention



Organizational and “key” EHRs Project Structure



Interagency Agreement:

OH Module embedded in IHS EHR

Task Force roster represents OH Clinics

EHR Project Management: Roles & Responsibility

- Project Sponsor: Cathy Angotti, OCHMO
- Steering Committee: NASA & IHS
- Project Manager: Alan Gettleman
- Project Lead: John Eckmann
- Project Team: Gregg Bendrick, MD
Mae Hafizi, RN
Diana Kniffin
Frankie Ramos
Helen Shoemaker, RN
Carol Taylor
- Task Force
- Stakeholders
 - OCIO, NDC, Center IT Mgmt
 - OH Clinics
 - Employees



EHR Operational: Roles & Responsibility

- EHR Manager: EHR Operational Oversight
- CAC: Clinical Application Coordinator
- Site Manager: Information Technology
- Super End User: Trained Provider
- AdPac Manager: Package domain expert
- End User: Clinical Users
- HIM: Clinic Adm. & Business

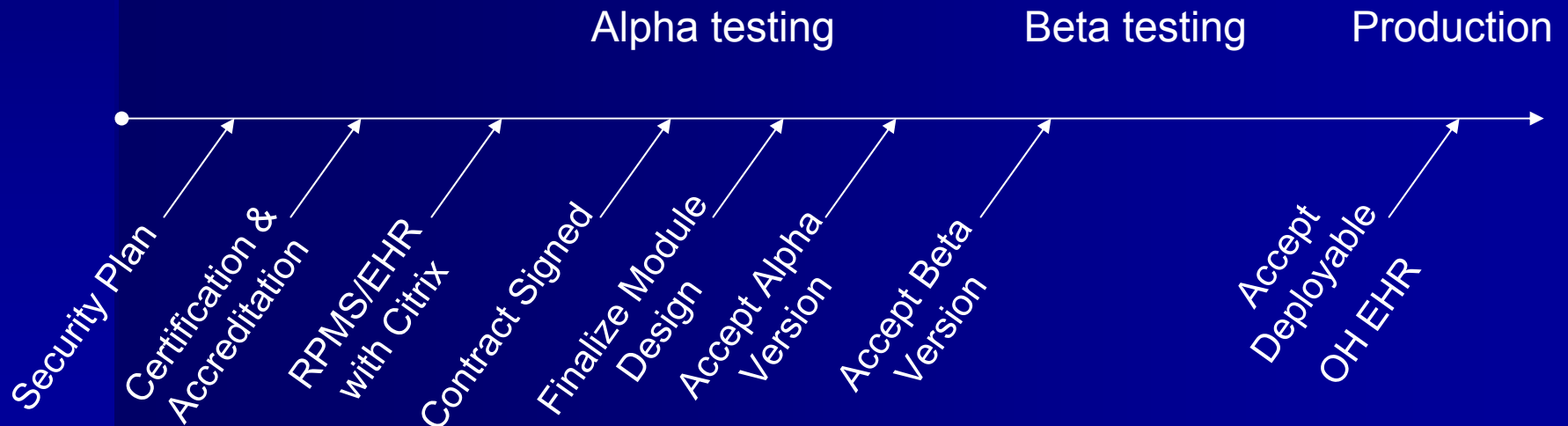
EHRIS Deployment Time-line

- α {
- X = Date contract signed with vendor
 - $Y = X + 90$ days (OH Module draft design)
 - $Z = Y + 90$ days (OH Module final design)
- β {
- $\alpha = Z + 6$ mo. (alpha test; connectivity)
 - $\beta = \alpha + 10$ days (beta test begins)
 - $EHRIS = \beta + ? + 10$ days (deployable version)

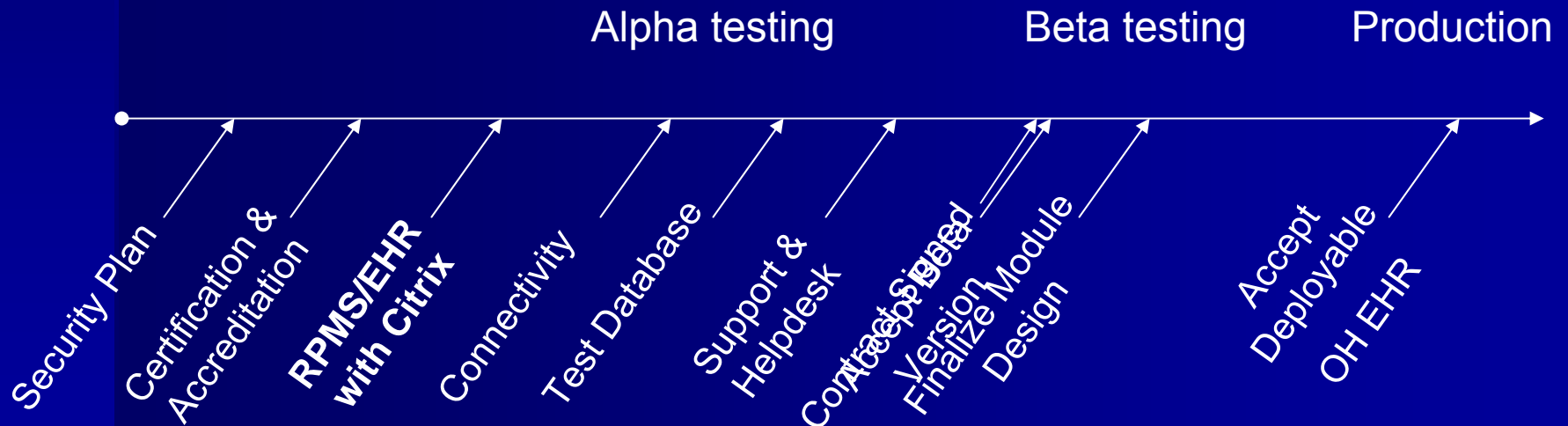
alpha test: initial test stage conducted on 'alpha version' of software

beta test: last test stage for software prior to production release

EHR Deployment Time-line



EHR Deployment Time-line



EHRIS Risks, Security and Disaster Recovery Plan

- Pre-risk Assessment
- Security Plan
 - FISMA
 - HIPAA
 - NIST
- Security Control & Assessment
- System Authorization



EHR Capabilities

- Standardize OH delivery
- Greater functionality
- Cost containment
- Monitor outcomes
- Improve care to employees



NASA Electronic Health Record System

- EHRS Website: www.ohp.nasa.gov/ehrs
- OH Newsletter
- EHRS Task Force member
- Questions, comments, etc.
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